OIPE

RAW SEQUENCE LISTING DATE: 10/10/2001
PATENT APPLICATION: US/09/872,702 TIME: 10:13:59

Input Set : A:\11669-72SeqLst.txt
Output Set: N:\CRF3\10102001\I872702.raw


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 3 <110> APPLICANT: Koren, Eugen
 4       Lowe, John Hok Nin
 6 <120> TITLE OF INVENTION: IDENTIFICATION AND MODIFICATION OF IMMUNODOMINANT EPITOPES
IN
 7       POLYPEPTIDES
 9 <130> FILE REFERENCE: 11669.72US01
11 <140> CURRENT APPLICATION NUMBER: US 09/872,702
12 <141> CURRENT FILING DATE: 2001-06-01
14 <150> PRIOR APPLICATION NUMBER: US 60/243,913
15 <151> PRIOR FILING DATE: 2000-10-27
17 <160> NUMBER OF SEQ ID NOS: 13
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 15
23 <212> TYPE: PRT
24 <213> ORGANISM: Homo sapiens
26 <400> SEQUENCE: 1
28 Leu Asn Thr Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu Gly
29 1               5                   10                  15
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33 <211> LENGTH: 20
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 2
39 Thr Pro Thr Ser Pro Leu Leu Asn Thr Ser Tyr Thr His Ser Gln Asn
40 1               5                   10                  15
43 Leu Ser Gln Glu
44              20
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48 <211> LENGTH: 17
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 3
54 Arg Ala Pro Pro Thr Thr Ala Val Pro Ser Arg Thr Ser Leu Val Leu
55 1               5                   10                  15
58 Thr
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 16
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 4
69 Pro Asn Arg Thr Ser Gly Leu Leu Glu Thr Asn Phe Thr Ala Ser Ala
70 1               5                   10                  15
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 17
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 5
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80 Ser Gly Leu Leu Lys Trp Gln Gln Gly Phe Arg Ala Lys Ile Pro Gly
81 1               5                   10                  15
84 Leu
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 17
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 6
95 Ser Leu Asp Gln Ile Pro Gly Tyr Leu Asn Arg Ile His Glu Leu Leu
96 1               5                   10                  15
99 Asn
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 16
105 <212> TYPE: PRT
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 7
110 Ser Arg Arg Thr Leu Gly Ala Pro Asp Ile Ser Ser Gly Thr Ser Asp
111 1               5                   10                  15
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 11
116 <212> TYPE: PRT
117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 8
121 Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu Gln
122 1               5                   10
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126 <211> LENGTH: 16
127 <212> TYPE: PRT
128 <213> ORGANISM: Homo sapiens
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132 Gln Pro Gly Tyr Ser Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr
133 1               5                   10                  15
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 16
138 <212> TYPE: PRT
139 <213> ORGANISM: Homo sapiens
141 <400> SEQUENCE: 10
143 Val Val Gln Leu His Pro Leu Leu Pro Asp Pro Ser Ala Pro Thr Pro
144 1               5                   10                  15
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148 <211> LENGTH: 31
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 11
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157 <211> LENGTH: 33
158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapiens
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162 agtcgacgtc gacgtcggca gtgtctgaga acc                                  33
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166 <211> LENGTH: 353
167 <212> TYPE: PRT
168 <213> ORGANISM: Homo sapiens
170 <220> FEATURE:
171 <221> NAME/KEY: SIGNAL
172 <222> LOCATION: (1)..(21)
173 <223> OTHER INFORMATION:
176 <400> SEQUENCE: 13
178 Met Glu Leu Thr Glu Leu Leu Leu Val Val Met Leu Leu Leu Thr Ala
179 1               5                  10                  15
182 Arg Leu Thr Leu Ser Ser Pro Ala Pro Pro Ala Cys Asp Leu Arg Val
183             20                  25                  30
186 Leu Ser Lys Leu Leu Arg Asp Ser His Val Leu His Ser Arg Leu Ser
187         35                  40                  45
190 Gln Cys Pro Glu Val His Pro Leu Pro Thr Pro Val Leu Leu Pro Ala
191     50                  55                  60
194 Val Asp Phe Ser Leu Gly Glu Trp Lys Thr Gln Met Glu Glu Thr Lys
195 65                  70                  75                  80
198 Ala Gln Asp Ile Leu Gly Ala Val Thr Leu Leu Leu Glu Gly Val Met
199                 85                  90                  95
202 Ala Ala Arg Gly Gln Leu Gly Pro Thr Cys Leu Ser Ser Leu Leu Gly
203             100                 105                 110
206 Gln Leu Ser Gly Gln Val Arg Leu Leu Leu Gly Ala Leu Gln Ser Leu
207         115                 120                 125
210 Leu Gly Thr Gln Leu Pro Pro Gln Gly Arg Thr Thr Ala His Lys Asp
211     130                 135                 140
214 Pro Asn Ala Ile Phe Leu Ser Phe Gln His Leu Leu Arg Gly Lys Val
215 145                 150                 155                 160
218 Arg Phe Leu Met Leu Val Gly Gly Ser Thr Leu Cys Val Arg Arg Ala
219                 165                 170                 175
222 Pro Pro Thr Thr Ala Val Pro Ser Arg Thr Ser Leu Val Leu Thr Leu
223             180                 185                 190
226 Asn Glu Leu Pro Asn Arg Thr Ser Gly Leu Leu Glu Thr Asn Phe Thr
227         195                 200                 205
230 Ala Ser Ala Arg Thr Thr Gly Ser Gly Leu Leu Lys Trp Gln Gln Gly
231     210                 215                 220
234 Phe Arg Ala Lys Ile Pro Gly Leu Leu Asn Gln Thr Ser Arg Ser Leu
235 225                 230                 235                 240
238 Asp Gln Ile Pro Gly Tyr Leu Asn Arg Ile His Glu Leu Leu Asn Gly
239                 245                 250                 255
242 Thr Arg Gly Leu Phe Pro Gly Pro Ser Arg Arg Thr Leu Gly Ala Pro
243             260                 265                 270
246 Asp Ile Ser Ser Gly Thr Ser Asp Thr Gly Ser Leu Pro Pro Asn Leu
247         275                 280                 285
250 Gln Pro Gly Tyr Ser Pro Ser Pro Thr His Pro Pro Thr Gly Gln Tyr
251     290                 295                 300
```

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```
254 Thr Leu Phe Pro Leu Pro Pro Thr Leu Pro Thr Pro Val Val Gln Leu
255 305                 310                 315                 320
258 His Pro Leu Leu Pro Asp Pro Ser Ala Pro Thr Pro Thr Pro Thr Ser
259                 325                 330                 335
262 Pro Leu Leu Asn Thr Ser Tyr Thr His Ser Gln Asn Leu Ser Gln Glu
263             340                 345                 350
266 Gly
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VERIFICATION SUMMARY DATE: 10/10/2001
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